

BEST AVAILABLE COPY

(12) SG PATENT APPLICATION

SG110144

(13) A (11) Publication No: 110144

(43) Publication Date: 28 April 2005

(21) Application No : 200405115-7

(71) Applicant(s):
GENESIS MICROCHIP, INC.

(22) Date of filing : 17 SEP 2004

(72) Inventor(s):
KOBAYASHI, OSAMU(30) Priority Data:
60/504,060 18/09/2003 US
60/552,352 10/03/2004 US
10/909,085 29/07/2004 US(74) Agent(s):
ALBAN TAY MAHTANI & DE SILVA(54) Title:
PACKET BASED STREAM TRANSPORT SCHEDULER AND METHODS OF USE THEREOF

(57) Abstract:

A method of coupling a multimedia source device to a multimedia sink device by providing a source device having a transmitter unit coupled thereto, providing sink device having a receiver unit coupled thereto, receiving a source data stream in accordance with a native stream rate by the transmitter unit, coupling the transmitter unit and the receiver unit by way of a linking unit, forming a multimedia data packet stream formed of a number of multimedia data packets and generating a transport schedule for transferring the multimedia data packet stream in accordance with a link rate between the transmitter unit and the receiver unit wherein the multimedia data